

Sauget Area 2

Preliminary Data Validation Summary

February 25, 2003



Sauget Area 2 Media Sampled

- Data collected from each of the 5 sites from a variety of media (not all media collected at all sites)
 - Ambient Air
 - Soil (surface and subsurface)
 - Waste
 - Leachate
 - Groundwater (alluvial and bedrock aquifers)
 - Seeps
 - Storm water



Sauget Area 2 Constituent Classes Analyzed

- Data collected for analysis of a variety of constituent classes
 - VOCs
 - SVOCs
 - Pesticides
 - Herbicides
 - PCBs
 - Dioxins
 - Metals



Preliminary Data Validation Summary

- Total records reported by laboratory for environmental media: 61,725
- Number of records deemed acceptable by data validation process: 61,136
- Overall acceptance of data: 99.05%



Terminology

- A “sample” can be considered one sample submitted for one analytical method
 - For one location, there may be many “samples”
 - VOC, SVOC, Pesticide, Herbicide, PCB, Dioxin, & Metals would each be considered a single sample
- A “record” can be considered a single target analyte for an analytical method
 - For one “sample”, there may be many “records”
 - Dieldrin would be a single record within the pesticide “sample”



Preliminary Unconditionally Accepted Data by Site and Matrix (Number of “samples” with no rejected “records”)

	SITE O	SITE P	SITE Q	SITE R	SITE S	UG/OS
AIR (w/o pesticides)	NA	75 % (94%)	71% (90%)	76% (95%)	NA	NA
GROUND WATER	91%	95%	91%	87%	95%	89%
LEACHATE	100%	NA	100%	100%	NA	NA
SEEP	NA	NA	100%	100%	NA	NA
SOIL	94%	99%	97%	97%	94%	100%
STORM WATER	NA	NA	97%	100%	NA	NA
WASTE	92%	98%	96%	88%	97%	NA